

DECLARATION  
AND POWER OF ATTORNEY  
Original Application

ATTORNEY'S DOCKET NO. (IF ANY)

Inv. No. 13,340

As a below named inventor, I declare that the information given herein is true, that I believe that I am the original, first and sole inventor if only one name is listed at 201 below, or a joint inventor if plural inventors are named below at 201-203, of the invention entitled:

RADAR TARGET IDENTIFICATION APPARATUS

DEC 5 1979

which is described and claimed in:

☒ the attached specification or ☐ the specification in application Serial No. \_\_\_\_\_  
(for declaration not accompanying application)

GROUP 220  
LICENSING & REVIEW

that I do not know and do not believe that the same was ever known or used in the United States of America before my or our invention thereof patented or described in any printed publication in any country before my or our invention thereof, or more than one year prior to this application, or in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application and that no application for patent or inventor's certificate on this invention has been filed by me or my legal representatives or assigns in any country foreign to the United States of America except as identified below, that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application.

FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS PRIOR TO THE FILING DATE OF THIS APPLICATION

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES ___ NO ___
			YES ___ NO ___

ALL FOREIGN APPLICATIONS, IF ANY, FILED MORE THAN 12 MONTHS PRIOR TO THE FILING DATE OF THIS APPLICATION


POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Joseph E. Ruzs, Reg. No. 17060, and

William Stepanishen, Reg. No. 25,810

SEND CORRESPONDENCE TO: Hq USAF/AFJACP 1900 Half ST SW Washington, D.C. 20324	DIRECT TELEPHONE CALLS TO: (name and telephone number) William Stepanishen (617) 861-4072
--	--

201	FULL NAME OF INVENTOR	LAST NAME <u>RANKIN</u>	FIRST NAME <u>Peter</u>	MIDDLE NAME <u>M.</u>
	RESIDENCE & CITIZENSHIP	CITY <u>Syracuse</u>	STATE OR FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>United States</u>
	POST OFFICE ADDRESS	POST OFFICE ADDRESS <u>101 Edgemont Drive</u>	CITY <u>Syracuse</u>	STATE OR COUNTRY <u>New York</u>
			ZIP CODE <u>13214</u>	
202	FULL NAME OF INVENTOR	LAST NAME <u>ZENON</u>	FIRST NAME <u>Zenn</u>	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY <u>Syracuse</u>	STATE OR FOREIGN COUNTRY <u>New York</u>	COUNTRY OF CITIZENSHIP <u>United States</u>
	POST OFFICE ADDRESS	POST OFFICE ADDRESS <u>307 Charlane Parkway</u>	CITY <u>Syracuse</u>	STATE OR COUNTRY <u>New York</u>
			ZIP CODE <u>13212</u>	
203	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
			ZIP CODE	

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

SIGNATURE OF INVENTOR 201 <u>Peter M. Rankin</u>	SIGNATURE OF INVENTOR 202 <u>Zenn Zenon</u>	SIGNATURE OF INVENTOR 203
DATE November 9, 1979	DATE November 9, 1979	DATE

DEC 5 1979

GROUP 220

CLASSING &amp; REV

## IN THE UNITED STATES PATENT OFFICE

# 3  
In re application of Peter M. Rankin et al  
Inv. No. 13,340  
Application Serial No. -  
Filed: Herewith  
For: RADAR TARGET IDENTIFICATION APPARATUS

GROUP  
Examiner:

Honorable Commissioner of Patents and Trademarks

Washington, D.C. 20231

Sir:

PRIOR ART STATEMENT UNDER 37 C.F.R. § 1.97

The applicant(s) wish to make of record the following prior art (with statement(s) of relevancy) which is/are believed to be the most relevant known to applicant(s) and/or the assignee concerning the invention as claimed in the above-identified application:

Prior Art CitedStatement of Relevancy

(SEE ATTACHED SHEET FOR PRIOR ARTS)

Copies of the above-identified prior art are enclosed herewith with copies of English translations of pertinent portions of any non-English language reference, if such translation was readily available.

The above cited prior art is not necessarily a complete listing of all prior art known to the applicant and/or the assignee. The listing only indicates that prior art which, in the reasonable opinion of the applicant and/or assignee, is the most relevant to the claimed invention.

Respectfully submitted,

28 November 1979

Date

*William Stepanishen*  
WILLIAM STEPANISHEN  
Attorney for applicant(s)

attach 74

Invention Disclosure No. 13340

List of Prior Disclosure

Prior Art

SRC TP 75-225

Aircraft Identification by  
Wideband Imaging (U)  
September 1975  
Secret Proposal

SRC TN 76-206

Quiet Identification Concept  
(QIC) Simulation (U)  
September 1976  
Confidential

AD C012-078L (RADC TR 77-207)

Aircraft Identification by Wide-  
band Radar Imaging (U)  
June 1977  
Secret Report

AD C014-390L (RADC TR 78-016)

Coherent Wideband Technology for  
Aircraft Identification (U)  
April 1978  
Secret Report

AD C107-372L (RADC TR 79-012)

Coherent Wideband Imaging  
Technology (U)  
February 1979  
Secret Report

Statement of Relevancy

Proposal to Rome Air Development Center  
describing identification technique  
and proposing to design and fabricate  
model.

Computer Simulation results demonstrat-  
ing the addition of identification  
responses to real aircraft radar data.

Technical report detailing first bread-  
board model of apparatus and describing  
the results of the first two flight  
tests. The results described here  
demonstrated feasibility of the  
technique in a field environment.

Technical report describing advanced  
coding methods applicable to the  
target identification system.

Technical report describing identifi-  
cation systems operation and detailing  
design of advanced identification  
system model.